

Hazardous Materials Information Sheet (HMIS)

**Business Name**  
 Mailing Address  
 Las Vegas, Nevada 89xxx

Chemical Inventory Summary Table								
Chemical Trade Name	Classification by Hazard	Quantity	Storage/Use	Comments	NFPA 704			
					H	F	R	S
(1) Dynamite (2) Black Powder (3) Blasting Caps  (4) 1.3G Fireworks (5) 1.4G Fireworks (6) Propellants  (7) Anfo (8) Fuel & Oxidizer Mixtures Used for Blasting  Reference Material Safety Data Sheet (MSDS) for U.S. DOT Label Requirements.	<b>High Explosives:</b> (1) Dynamite (2) Black Powder (3) Blasting Caps	(1) Lbs (2) Lbs (3) Lbs Sub-Total	Stored in accordance with Table 7702.3-A "Types of Magazines Required for Storage of Explosive Materials."	U.S. DOT Class 1.1, 1.2, 1.3, 1.5 or 1.6; Class A or B 1.4; Class C & Blasting Agents:  <b>8001.15</b> Exempt Amounts. See Table 8001.15-A.  <b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.  <b>8003.2</b> Explosives and Blasting Agents. Storage of explosives and blasting agents shall be in accordance with Article 77. Storage of fireworks shall be in accordance with Article 78.	N/A	N/A	N/A	N/A
	<b>Low Explosives:</b> (4) 1.3G Fireworks (5) 1.4G Fireworks (6) Propellants	(4) Lbs (5) Lbs (6) Lbs Sub-Total	Stored in accordance with Article 78 "Fireworks and Pyrotechnic Special Effects," Section 7803.4 "Storage					
	<b>Blasting Agents:</b> (7) Anfo (8) Fuel & Oxidizer Mixtures Used for Blasting	(7) Lbs (8) Lbs or Tons Sub-Total	<b>Incompatible Materials:</b> Do not store with...  <b>Conditions to avoid:</b> Keep away from heat, flame, ignition sources, strong shock, Do not attempt to disassemble.					

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(1) Pentane	Article 79	(1) Gal	(1) Can, Stored in Fire	Total calculated	2	4	0	COR
(2) Gasoline	Flammability Class	(2) Gal	Cabinet	volume of Class I	3	3	0	
(3) Turpentine		(3) Gal	(2) Steel Drum, in Fire	Liquids exceeds or	2	3	0	
(4) Epoxy Coatings	(1) Class I-A	(4) Gal	Cabinet	does not exempt	3	3	0	
(5) Acrolein - Inhibited	(2) Class I-B	(5) Gal	(3) Steel Drum, in Fire	amounts. Table	4	3	3	
(6) Acrylonrile - Inhibited	(3) Class I-C	(6) Gal	Cabinet	7902.5-A "Exempt	4	3	2	
(7) Benzene	(4) Class I-C	(7) Gal	(4) Cans, Stored in Fire	Amounts ... Per				
(8) Vinyl Chloride	(5) Class I-B	(8) Gal	Cabinets	Control Area."				
	(6) Class I-B	Sub-Total	(5) & (6) Metal Cans,	Table 7902.5-B				
	(7) Class I-A	Gallons	Stored in Hazardous	"Exempt Amounts ... in				
	(8) Class I-A		Materials Storage	... Per Control Area."				
	Combined Amount		Cabinet	A Liquid Storage Room				
	Class IA, IB, & IC			or Control Areas is or is				
				not required.				
				Secondary				
				containment is or is not				
				necessary.				
				Sprinklers are or are				
				not required for				
				Occupancy.				

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(1) Diesel Fuel <u>(2) WD 40- Bulk</u>	Article 79 Flammability Class	(1) Gal <u>(2) Gal</u>	Cans, Stored in Fire Cabinets <u>Can, Stored in Fire Cabinet</u>	Total calculated volume of Class II Liquids exceeds or does not exempt amounts. Table 7902.5-A "Exempt Amounts ... Per Control Area."  Table 7902.5-B "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  A Liquid Storage Room or Control Areas is or is not required.  Secondary containment is or is not necessary.  Sprinklers are or are not required for Occupancy.	2 3	2 2	0 0	
Sub-Total	(1) Class II <u>(2) Class II</u>	XX Gal						

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Chemical Trade Name	Classification by Hazard	Quantity	Storage/Use	Comments	NFPA 704			
					H	F	R	S
(1) Cutting Oil <u>(2) Transmission Fluid</u>	Article 79 Flammability Class	(1) Gal <u>(2) Gal</u>	Plastic Bottles or Jugs, Stored on Shelf Plastic Non-Metal Drum, Stored in <u>Fire Cabinet</u>	Total calculated volume of ClassIII Liquids exceeds or does not exempt amounts. Table 7902.5-A "Exempt Amounts ... Per Control Area."  Table 7902.5-B "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  A Liquid Storage Room or Control Areas is or is not required.  Secondary containment is or is not necessary.  Sprinklers are or are not required for Occupancy.	3 2	1 1	0 0	
Sub-Total	(1)Class III-B <u>(2) Class III-B</u>  Class III	XXX Gal						

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Chemical Trade Name	Classification by Hazard	Quantity	Storage/Use	Comments	NFPA 704			
					H	F	R	S
(1) Nitrocellouse (wet)	FLAMMABLE SOLIDS	(1) Lbs	Stored in Hazardous Materials Storage Cabinets, or Outdoors	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A</b> , <b>8001.15-C</b> .  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.5</b> Flammable Solids and Flammable Gases.  <b>8003.10</b> Water Reactive Solids and Liquids	2	3	3	W
(2) Sulfur		(2) Lbs			3	1	0	
(3) Magnesium	Organic Solids: (1)	(3) Lbs			1	1	1	
(4) Plastics		(4) Lbs						
(5) Wood Sawdust		(5) Lbs						
(6) Coal	Inorganic Solids: (2)	(6) Lbs						
(7) Powdered Metals		(7) Lbs						
<b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. Refer to the <b>MSDS Sheets provided by your Vendor/Supplier.</b>	Combustible Metals: (3)	Sub-Total						
	Combustible Dusts & Powders: (4), (5), (6), (7)							

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					H	F	R	S			
(1) Hydrogen Peroxide Solutions (>91 %) (2) Nitric Acid >86 % (3) Nitric Acid >40 % (4) Ammonium Nitrate (5) Ammonium Perchlorate (> 15 Micron) (6) Pool Chemicals (7) Cal-Hypochlorate (> 50 w/o) (8) Hydrogen Peroxide Solutions 52 to 91% (9) Hydrogen Peroxide Solutions 27.5 to 52% (10) Hydrogen Peroxide Solutions >8 to 27.5 % (11) Oxygen - LOX <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	<b>OXIDIZERS</b>  Gases: <b>See Compressed Gases</b>  Liquids <i>Class 4:</i> (1) <i>Class 3:</i> (2), (6), (8) <i>Class 2:</i> (3), (6), (9), (11) <i>Class 1:</i> (6), (10)  Solids: <i>Class 4:</i> (5) <i>Class 3:</i> (4), (6), ( 7) <i>Class 2:</i> (6) <i>Class 1:</i> (4), (6)	Liquids: Lbs or Gallons	Stored in Hazardous Materials Storage Cabinets, or Outdoors	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A</b> , <b>8001.15-C</b> .	3	0	3	OXY			
					3	0	0	OXY			
					3	0	0	OXY			
					2	0	3	OXY			
					2	0	4	OXY			
		Table <b>7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.  <b>8003.6</b> Oxidizers			Solids: Lbs			3	0	1	OXY
								3	0	3	OXY
								3	0	1	OXY
								3	0	1	OXY

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(1) Trigonix (2) Tert Butyl Peroxide (3) Peroxyacetic Acid (4) Esperox (5) Benzoyl Peroxide (70 %) (6) Benzoyl Peroxide (35 %) (7) Benzoyl Peroxide (78 %)  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	ORGANIC PEROXIDES  Liquids, Pastes, or Solids  <i>Unclassified</i> <b>See Article 77 Explosives</b> <i>Class I:</i> ( 2 ) <i>Class II</i> (3), ( 4 ) <i>Class III:</i> ( 1 ) <i>Class IV:</i> ( 5 ) <i>Class V:</i> ( 6 )	Liquids, Pastes, or Solids: Lbs	Stored in Hazardous Materials Storage Cabinets, or Outdoors	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A, 8001.15-C.</b>  <b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.7</b> Organic Peroxides	0	3	4	OXY
					2	1	4	OXY
					4	2	4	OXY
					2	1	4	OXY
					2	4	4	OXY
					2	4	4	OXY
					2	4	4	OXY

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					H	F	R	S
(1) Diborane (2) Silane (3) White Phosphorous (4) Yellow Phosphorous  (5) Sodium Metal  (6) Tri-Methyl Aluminum	<b><u>PYROPHORIC MATERIALS</u></b>  Gases: See Compressed Gases  Liquids: (6)  Solids: (3), (4), (5)	Liquids: Lbs or Gallons  Solids: Lbs	Stored in Hazardous Materials Storage Cabinets, or Outdoors	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A, 8001.15-C.</b>  <b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.8</b> Pyrophoric Materials	4 2 4 4  3 3	4 4 3 3  3 3	3 2 1 1  2 3	W  COR COR  W COR W

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					H	F	R	S
(1) Peroxyacetic Acid (dry) (2) Picric Acid (dry) (3) Styrene (4) Hydrogen Peroxide Solutions (>52 %) (5) Hydrogen Peroxide Solutions (35 to 52 %)  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	UNSTABLE – REACTIVE MATERIALS  Class 4: (1), (2)  Class 3: (4)  Class 2: (3)  Class 1: (5)	Liquids: Lbs or Gallons  Solids: Lbs	Stored in Hazardous Materials Storage Cabinets, or Outdoors	<b>8001.15</b> Exempt Amounts.	4	2	4	OXY
				Total pound's does or does not exceed	3	2	4	OXY
				Tables: <b>8001.15-A</b> ,	2	3	2	
				<b>8001.15-C</b> .	3	0	3	OXY
				<b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.	3	0	1	OXY
<b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.9</b> Unstable (Reactive) Materials.								

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					H	F	R	S
(1) Aluminum Alkyls (2) Calcium Carbide (3) Sodium Metal (4) Sulfuric Acid (5) Sodium Hydroxide (6) Titanium Tetrachloride (7) Fluorine	WATER REACTIVE MATERIALS  Class 3: (1)  Class 2: (2), (3), (4), (7)  Class 1: (5), (6)	<u>Sub-Total:</u> Lbs	Stored in Approved Hazardous Materials Storage Cabinets	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A</b> , <b>8001.15-C</b> .  <b>8003.1.15</b> Required Detached Storage, Table 8003.1-B may apply.  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.10</b> Water Reactive Solids and Liquids	3 3 3 3 3 4 4	3 2 3 0 0 0 0	3 2 2 2 1 2 4	W COR W W COR COR W W COR

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					H	F	R	S
(1) Hydrogen (2) Methane  (3) Fluorine  (4) Nitric Oxide  (5) Oxygen – LOX (6) Argon (7) Helium (8) Nitrogen  Note: All of the Cryogenes listed will exist as a Compressed Gas when stored at ambient temperatures.  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. Refer to the <b>MSDS Sheets provided by your Vendor/Supplier.</b>	CRYOGENIC FLUIDS  Flammable: (1), (2)  Oxidizing: (3), (4), (5)  Corrosive: (3), (4)  Inert: (6), (7), (8)  Highly Toxic: (3), (4)	<u>Sub-Total:</u> Lbs	Stored and dispensed from an insulated cylinder mounted on a skid with an integrated cooling unit from the manufacturer.  Refrigerated Liquid – Cryogenic Liquid.	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-A.</b>  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.11</b> Cryogenic Fluids.	3 1  1  2  3 3 3 3	4 4  4  0  0 0 0	0 0  0  2  3 3 0 0	   OXY COR OXY COR OXY

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					H	F	R	S
(1) Fluorine (2) Acrolein - Inhibited (3) Methyl Parathion (4) White Phosphorus  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	HIGHLY TOXIC MATERIALS  Gases: (1)  Liquids: (2)  Solids: (3), (4)	Sub-Total: Lbs	Stored in Compressed Gas Cylinders. Cylinders are stored in a Storage Cabinet.	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-B, 8001.15-D.</b>  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.12</b> Highly Toxic and Toxic Solids and Liquids.	4 4 4 4	0 3 1 3	4 3 2 1	COR   W

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					H	F	R	S
(1) Chlorine	TOXIC MATERIALS  Gases: (1), (3)  Liquids: (4)  Solids: (2)	Sub-Total: Lbs	Stored in Compressed Gas storage cabinet.	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-B</b> , <b>8001.15-D</b> .  <b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."  <b>8003.12</b> Highly Toxic and Toxic Solids and Liquids.	4	0	4	OXY
(2) Hydroquinon			2		1	0	COR	
(3) Boron Trichloride			3		0	1	COR	
(4) Acrylonitrile			4		3	2	W	
<p><b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b></p>								

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					H	F	R	S
(1) Americium-241 (2) Cesium-131 (3) Cobalt-57 (4) Potassium-42 (5) Plutonium-238  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	<p><b><u>RADIOACTIVE MATERIALS</u></b></p> <p>Common Radiation Source Materials:                      (1), (2), (3), (4)</p> <p>Fissile Materials:                      (5)</p>	Sub-Total: Lbs	Sealed sources stored in a Hazardous Materials Storage Cabinet.	<p><b>8001.15</b> Exempt Amounts.                      Total pound's does or does not exceed Tables: <b>8001.15-B, 8001.15-D.</b></p> <p><b>Table 7902.5-B</b>                      "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."</p> <p><b>8003.13</b> Radioactive Materials.</p>				

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(1) Hydrochloric Acid >15 % (2) Hydrofluoric Acid (3) Nitric Acid >6 % (4) Sulfuric Acid >4 % (5) Pool Treatment Chemicals (6) Bromine (7) Ammonium Hydroxide (> 10 %) (8) Janitorial Supplies (9) Sodium Hydroxide >1 % (10) Ammonia (11) Chlorine <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	<b>CORROSIVES</b>  Acids: (1), (2), (3), (4), (5), (8)  Bases: (7), (8), (9)  Others: (6), (10), (11)	Sub-Total: Lbs	Stored in plastic bottles having a capacity below ½ Gallon.	<b>8001.15</b> Exempt Amounts.	3	0	1	COR
		Total pound's does or does not exceed	3	0	1	COR		
		Tables: <b>8001.15-B</b> , <b>8001.15-D</b> .	4	0	2	OXY		
			3	0	2	COR		
		<b>Table 7902.5-B</b>	3	0	2	COR		
		"Exempt Amounts ... in Wholesale and Retail ... Per Control Area."	3	0	0	OXY		
						COR		
		<b>8003.14</b> Corrosives.	3	0	0	COR		
			3	0	0	COR		
			3	1	1	COR		
			3	0	0	COR		

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(1) Asbestos (2) Benzene (3) Carbon Tetrachloride (4) PCB's (5) Vinyl Chloride (6) Mercury (7) Lead (8) Sodium Salt (9) Magnesium Chloride – Hexahydrate (10) Menthol (11) Calcium Selenate (12) Carbon Dioxide – Liquified  <b>NOTE:</b> The NFPA 704 ratings shown in this Example may not be accurate for your product. <b>Refer to the MSDS Sheets provided by your Vendor/Supplier.</b>	<b>CARCINOGENS:</b> (1), (2), (3), (4), (5)	Sub-Total: Lbs	Materials are stored in containers having a capacity less than ½ Gallon or 5 lbs.	<b>8001.15</b> Exempt Amounts. Total pound's does or does not exceed Tables: <b>8001.15-B, 8001.15-D.</b>	1	0	0	
					2	3	0	
					3	0	0	
					2	1	0	
					2	4	2	
					4	0	0	
	<b>IRRITANTS:</b> (8), (9)	<b>SENSITIZERS:</b> (10), (11)	Materials are stored in a approved hazardous materials storage cabinet.	<b>Table 7902.5-B</b> "Exempt Amounts ... in Wholesale and Retail ... Per Control Area."	2	0	0	
					2	0	0	
					2	0	0	
					2	0	0	
					2	0	0	
					2	0	0	
<b>OTHER HEALTH HAZARDS:</b> (5), (6), (7), (12)			<b>8003.15</b> Carcinogens, Irritants, Sensitizers and Other Health Hazard Solids and Liquids and Gases.	3	0	0		

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